IFWO

RAW SEQUENCE LISTING   DATE: 08/09/2004
PATENT APPLICATION: US/10/804,515   TIME: 10:44:52

          Input Set : A:\67130126.app
          Output Set: N:\CRF4\08092004\J804515.raw

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 3 <110> APPLICANT: YAMAGUCHI, MASAYOSHI
 5 <120> TITLE OF INVENTION: MODEL ANIMAL WITH OVEREXPRESSION OF REGUCALCIN
 7 <130> FILE REFERENCE: 671302-2006
 9 <140> CURRENT APPLICATION NUMBER: 10/804,515
10 <141> CURRENT FILING DATE: 2004-03-19
12 <150> PRIOR APPLICATION NUMBER: PCT/JP02/09611
13 <151> PRIOR FILING DATE: 2002-09-19
15 <150> PRIOR APPLICATION NUMBER: JP 2002-177666
16 <151> PRIOR FILING DATE: 2002-06-18
18 <150> PRIOR APPLICATION NUMBER: JP 2001-287698
19 <151> PRIOR FILING DATE: 2001-09-20
21 <160> NUMBER OF SEQ ID NOS: 4
23 <170> SOFTWARE: PatentIn Ver. 3.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 900
27 <212> TYPE: DNA
28 <213> ORGANISM: Rattus norvegicus
30 <220> FEATURE:
31 <221> NAME/KEY: CDS
32 <222> LOCATION: (1)..(897)
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36 Met Ser Ser Ile Lys Ile Glu Cys Val Leu Arg Glu Asn Tyr Arg Cys
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39 ggg gag tcc cct gtg tgg gag gag gca tca aag tgt ctg ctg ttt gta    96
40 Gly Glu Ser Pro Val Trp Glu Glu Ala Ser Lys Cys Leu Leu Phe Val
41              20                  25                  30
43 gac atc cct tca aag act gtc tgc cga tgg gat tcg atc agc aat cga   144
44 Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg
45          35                  40                  45
47 gtg cag cga gtt ggt gta gat gcc cca gtc agt tca gtg gca ctt cga   192
48 Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg
49      50                  55                  60
51 cag tca gga ggc tat gtt gcc acc att gga acc aag ttc tgt gct ttg   240
52 Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu
53  65                  70                  75                  80
55 aac tgg gaa gat caa tca gta ttt atc cta gcc atg gtg gat gaa gat   288
56 Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp
57                  85                  90                  95
59 aag aaa aac aat cga ttc aat gat ggg aag gtg gat cct gct ggg aga   336
60 Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg
61              100                 105                 110
63 tac ttt gct ggt acc atg gct gag gaa acc gcc cca gct gtt ctg gag   384
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 64 Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
 65         115             120             125
 67 cgg cac caa ggg tcc ttg tac tcc ctt ttt cct gat cac agt gtg aag     432
 68 Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
 69     130             135             140
 71 aaa tac ttt aac caa gtg gat atc tcc aat ggt ttg gat tgg tcc ctg     480
 72 Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
 73 145             150             155             160
 75 gac cat aaa atc ttc tac tac att gac agc ctg tcc tac act gtg gat     528
 76 Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
 77             165             170             175
 79 gcc ttt gac tat gac ctg cca aca gga cag att tcc aac cgc agg act     576
 80 Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
 81             180             185             190
 83 gtt tac aag atg gaa aaa gat gaa caa atc cca gat gga atg tgc att     624
 84 Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
 85         195             200             205
 87 gat gtt gag ggg aag ctt tgg gtg gcc tgt tac aat gga gga aga gta     672
 88 Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
 89     210             215             220
 91 att cgc cta gat cct gag aca ggg aaa aga ctg caa act gtg aag ttg     720
 92 Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
 93 225             230             235             240
 95 cct gtt gat aaa aca act tca tgc tgc ttt gga ggg aag gat tac tct     768
 96 Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
 97             245             250             255
 99 gaa atg tac gtg aca tgt gcc agg gat ggg atg agc gcc gaa ggt ctt     816
100 Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
101         260             265             270
103 ttg agg cag cct gat gct ggt aac att ttc aag ata aca ggt ctt ggg     864
104 Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
105         275             280             285
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108 Val Lys Gly Ile Ala Pro Tyr Ser Tyr Ala Gly
109     290             295
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113 <211> LENGTH: 299
114 <212> TYPE: PRT
115 <213> ORGANISM: Rattus norvegicus
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122             20                  25                  30
124 Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg
125         35                  40                  45
127 Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg
128     50                  55                  60
130 Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu
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131  65                         70                   75                        80
133 Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp
134                     85                   90                   95
136 Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg
137             100                 105                 110
139 Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
140             115                 120                 125
142 Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
143         130                 135                 140
145 Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
146 145                 150                 155                 160
148 Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
149                 165                 170                 175
151 Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
152             180                 185                 190
154 Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
155         195                 200                 205
157 Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
158     210                 215                 220
160 Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
161 225                 230                 235                 240
163 Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
164             245                 250                 255
166 Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
167             260                 265                 270
169 Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
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173     290                 295
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177 <211> LENGTH: 24
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179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
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190 <211> LENGTH: 23
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195 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
196       primer huRC-2
198 <400> SEQUENCE: 4
199 ccctccaaag cagcatgaag ttg                                           23
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VERIFICATION SUMMARY   DATE: 08/09/2004
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